

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1 to 4 (canceled).

Claim 5 (previously presented): A pump comprising:

a double-stroke delivery contour, the delivery contour having at least one rise zone, at least one large circle region, at least one fall zone, and at least one small circle region, and, a rotor within the delivery contour, the rotor having radially displaceable vanes in radial rotor slots,

an angular range of the large circle region of the delivery contour being lengthened, wherein the large circle region is greater than the fall zone.

Claim 6 (previously presented): The pump as recited in claim 5 wherein the pump is a transmission pump.

Claim 7 (previously presented): The pump as recited in claim 5 wherein the pump is a 10 vane pump and the large circle region of the delivery contour on one side is between 48 and 51 degrees.

Claim 8 (previously presented): The pump as recited in claim 7 wherein the large circle region on one side extends 49 degrees.

Claim 9 (previously presented): The pump as recited in claim 5 wherein the pump is a 12 vane pump and the large circle region of the delivery contour on one side is between 51 and 55 degrees.

Claim 10 (previously presented): The pump as recited in claim 9 wherein the large circle region on one side extends 52 degrees.

Claim 11 (previously presented): The pump as recited in claim 5 wherein a length of a suction region is not lengthened.

Claim 12 (previously presented): The pump as recited in claim 5 wherein the pump is a 12 vane pump, and turning points of a displacement contour function in a direction from a suction region to a pressure region are spaced apart by approximately 105 degrees.

Claim 13 (previously presented): The pump as recited in claim 5 wherein the pump is a 10 vane pump, and turning points of a displacement contour function in a direction from a pressure region to a suction region are spaced apart by approximately 90 degrees.

Claim 14 (previously presented): The pump as recited in claim 5 wherein the pump is a 10 vane pump, turning points of a displacement contour function being shifted by approximately 3° in direction of rotation.

Claim 15 (previously presented): The pump as recited in claim 5 wherein turning points of a displacement contour function are not spaced evenly about the delivery contour.